

Pin Function	COLOR
1 Brake (+)	BLACK
2 U	YELLOW
3 V	RED
4 W	BLACK
5 Brake (-)	BLACK
6 PE	YELLOW/GREEN

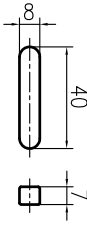


Pin Function	COLOR	Pin Function	COLOR
1 VCC+	WHITE	10 NC	
2 GND	BLACK	11 NC	
3 V0	ORANGE	12 NC	
4 GND	BROWN	13 SHIELD/NC	
5 NC		14 NC	
6 NC		15 NC	
7 NC		16 SD	BLUE
8 NC		17 /SD	PURPLE
9 NC			

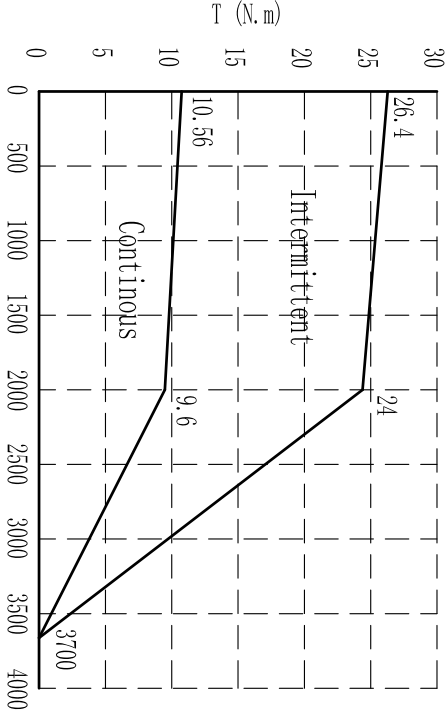
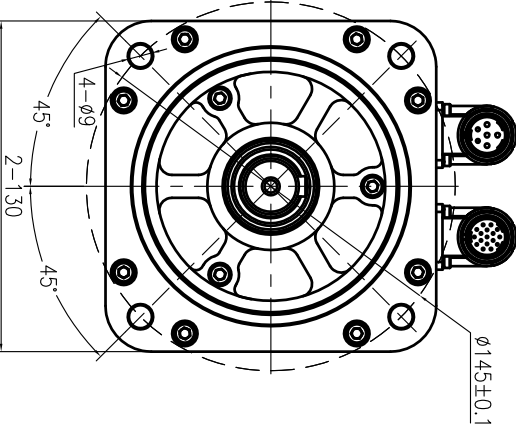
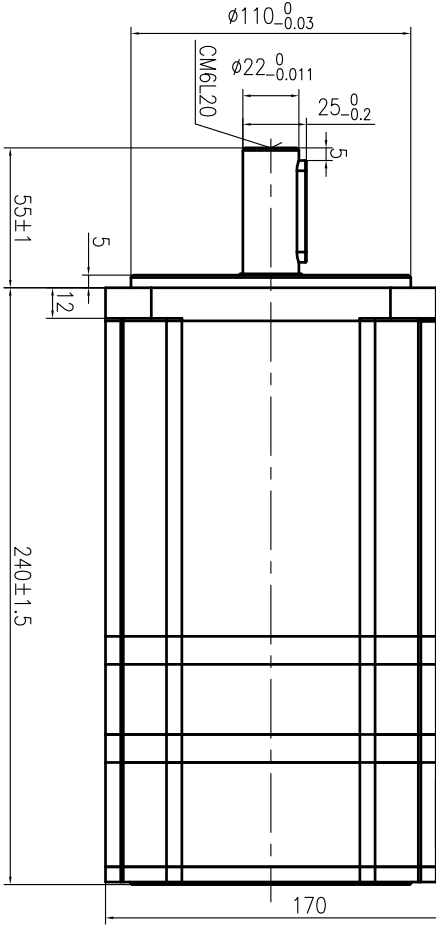


6 PIN MOTOR CONNECTOR


17 PIN ENCODER CONNECTOR



KEY



S/N: ZDBPK00YYDDNNNN

VI.1	KAI9065	LS	ZZB	19.4.2	DESIGN	DATE	P.N.	9.6544SS
REV	ECN NO.	DRN	APPD	DATE	VJL	2018.5.31	TITLE	Outside Diagram
UNLESS OTHERWISE SPECIFIED								
TOLERANCES								
DECIMALS:								
ANGULAR:								
.x ±0.5								
.xx ±0.25								
.xxx ±0.1								
UNIT: mm								
DO NOT SCALE DRAWING								
FIRST ANGLE PROJECTION								
								

# Brake Data

Static Friction	10Nm
Voltage	24VDC
Power	19W
Technical Data	
No. of poles	8
DC link Voltage UDC (DC link)	560
Rated Power P <sub>N</sub> (W)	2000
Rated Torque T <sub>N</sub> (N.m)	9.6
Rated Speed n <sub>N</sub> (rpm)	2000
Rated Current I <sub>N</sub> (A)	6.2
Maximum torque I <sub>m</sub> (N.m)	24
Maximum current I <sub>m</sub> (A)	18.6
Standstill torque T <sub>s</sub> (N.m)	10.56
Standstill current I <sub>s</sub> (A)	6.82
Resistance line-line R <sub>L</sub> (Ω)	1.72
Inductance line-line L <sub>L</sub> (mH)	17.1
Electrical time constant T <sub>e</sub> (ms)	9.9
Mechanical time constant T <sub>m</sub> (ms)	1.86
Voltage constant K <sub>e</sub> (V/krpm)	102
Torque constant K <sub>t</sub> (Nm/A)	1.69
Rotor moment of inertia J <sub>m</sub> (Kg.cm <sup>2</sup> )	17.8
Max. voltage rising du/dt (KV/μs)	8
Insulation class	F
Max. radial force Fr (N)	900
Max. axial force Fa (N)	450
Weight (Kg)	11.4
Feed back device	absolute encoder
	MR-HX50AHN10
Temperature sensor	n. a.
Cooling method	Totally enclosed non-ventilated
protection level	IP65, shaft sealing IP54
Temperature	-20°C~40°C
Humidity	Below 90%RH (No dewing)
Environment	For any active gas, combustible gas, oil drop, ash
Installation altitude	up to 1000m rated power, above 1000m: 1.5% power decreasing per 100m, max. 400m
Mounting	Aluminum flange 45°x45°x12.7mm
Rating conditions	60K housing temperature ring at 40°C ambient

Kinco